



ARCADIS  
30 West Monroe, Suite 1710  
Chicago  
Illinois 60603  
Tel 312.332.4937  
Fax 312.332.4434  
www.arcadis-us.com

Mr. Michael Ribordy  
On-Scene Coordinator  
USEPA Region 5  
77 West Jackson Boulevard (SE-5J)  
Chicago, IL 60604-3590

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
Time-Critical Removal Action – Former Plainwell Impoundment  
Monthly Report (April 2009)

Dear Mike:

Attached is the 26<sup>th</sup> monthly progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Time-Critical Removal Action (TCRA). This progress report is submitted in accordance with Section 19A of the February 2007 Administrative Settlement Agreement and Order on Consent (AOC) for Removal Action (Docket No. V-W-07-C-863).

If you have any questions, please do not hesitate to contact me.

Sincerely,

ARCADIS

Stephen Garbaciak Jr., P.E.  
Vice President

Copies:

Samuel Borries, USEPA  
Paul Bucholtz, MDEQ  
James Saric, USEPA  
Jeff Keiser, CH2M HILL  
Kathy Huibregtse, RMT Inc.  
J. Michael Davis, Esq., Georgia-Pacific LLC  
Paul Montney, P.E., Georgia-Pacific LLC  
L. Chase Fortenberry, P.G., Georgia-Pacific LLC  
Garry Griffith, P.E., Georgia-Pacific LLC  
Michael Erickson, P.E., ARCADIS

SEDIMENTS

Date:

May 15, 2009

Contact:

Steve Garbaciak

Phone:

312.332.4937 ext. 12

Email:

steve.garbaciak@  
arcadis-us.com

Our ref:

B0064530.0000.00014  
#2

US EPA RECORDS CENTER REGION 5



407008

**MONTHLY REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE  
TIME-CRITICAL REMOVAL ACTION – FORMER PLAINWELL IMPOUNDMENT**

**REPORT #26, APRIL 2009**

**PREPARED BY ARCADIS  
MAY 15, 2009**

**ON BEHALF OF THE KALAMAZOO RIVER STUDY GROUP**

**SUBMITTED TO**

**MICHAEL RIBORDY, ON-SCENE COORDINATOR  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Monthly Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site TCRA – Former Plainwell Impoundment**

**REPORT #26, APRIL 2009**

**Laboratory Data Received During the Period**

- No analytical data were received during April.
- The KRSG is awaiting analytical results for post-construction soil samples TS10006 through TS10025.

**Issues Encountered and Actions Taken**

- None

**Developments Anticipated During the Next Reporting Period**

- Restoration activities scheduled for May include the placement of top soil and mulch, and seeding of portions of Removal Areas 13A and 13B, and Staging Area 4N. Restoration activities will include the planting of trees and shrubs not completed during 2008.
- The KRSG will continue to submit copies of analytical data, if necessary, from TCRA sampling activities to USEPA in May.

**Monthly Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site TCRA – Former Plainwell Impoundment**

**REPORT #26, APRIL 2009**

**Significant Developments and Activities During the Period**

- On April 6, Michigan Department of Natural Resources (MDNR) contacted the Kalamazoo River Study Group (KRSRG) regarding the schedule for reopening the Plainwell Dam area to the public.
- On April 7, the KRSRG informed MDNR that additional construction equipment and materials needed to be removed from the Plainwell Dam area before it could be safely accessed by the public. This equipment is scheduled to be removed in May.
- On April 10, the KRSRG submitted copies of the *Monthly Report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site TCRA* for February/March 2007 through December 2007 to the START contractor for USEPA.
- On April 14, the KRSRG submitted removal area grid corner coordinates to the START contractor for USEPA. This information was originally submitted to USEPA in December 2007 and MDEQ in January 2008.
- On April 15, the KRSRG submitted the 25<sup>th</sup> *Monthly Report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site TCRA* for March 2009 to USEPA.
- On April 22, 27, and 29, the KRSRG submitted copies of analytical data to USEPA.

**Data Collected and Field Activities Conducted During the Period**

- Field activities were not conducted in April.
- During the week of April 27, the KRSRG collected fifteen post-construction soil samples (TS10006 and TS10008 through TS10021) and one duplicate sample (TS10007) from the access road connecting Miller Road to Staging Area 4N. These samples were collected at spacing of 200 feet and from the same locations as pre-construction samples K25753 through K25767 (collected in January 2008). Three post-construction soil samples (TS10022 through TS10024) and one duplicate sample (TS10025) were collected from the Consumers Energy property located near the Plainwell Dam. These samples were collected from the same locations as pre-construction samples K25737, K25738, and K25751 (collected in September and October 2007). All samples were submitted for PCB analysis and serve to verify that TCRA work activities did not negatively impact subsurface soil. Table A summarizes the samples collected.

**Kalamazoo River Study Group  
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
Former Plainwell Impoundment TCRA  
Monthly Report #26, April 2009**

**Table A — Summary of Samples Collected in April 2009**

Sample ID	Sample Date	Data Received	Sample Delivery Group	Laboratory	Sample Location	Analysis Conducted	PCB Result	PCB Action Limit	Response Action
<b>Post-Construction Soil Samples</b>									
TS10016	04/29/09	NR	NR	TAL	Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25762 (January 2008)	PCBs	-	-	-
TS10017					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25763 (January 2008)	PCBs	-	-	-
TS10018					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25764 (January 2008)	PCBs	-	-	-
TS10019					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25765 (January 2008)	PCBs	-	-	-
TS10020					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25766 (January 2008)	PCBs	-	-	-
TS10021					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25767 (January 2008)	PCBs	-	-	-
TS10022					Post construction sample collected from Consumers Energy property near the Plainwell Dam. Same location as pre-construction sample K25737 (September 2007)	PCBs	-	-	-
TS10023					Post construction sample collected from Consumers Energy property near the Plainwell Dam. Same location as pre-construction sample K25738 (September 2007)	PCBs	-	-	-
TS10024					Post construction sample collected from Consumers Energy property near the Plainwell Dam. Same location as pre-construction sample K25751 (October 2007)	PCBs	-	-	-
[TS10025]						[PCBs]	[-]	[-]	[-]

**Notes:**

\* Duplicate samples are shown in brackets.

NR - not received

PCB - Polychlorinated Biphenyls

TAL - TestAmerica Laboratories

**Kalamazoo River Study Group  
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
Former Plainwell Impoundment TCRA  
Monthly Report #26, April 2009**

**Table A — Summary of Samples Collected in April 2009**

Sample ID	Sample Date	Data Received	Sample Delivery Group	Laboratory	Sample Location	Analysis Conducted	PCB Result	PCB Action Limit	Response Action
<b>Post-Construction Soil Samples</b>									
TS10006	04/29/09	NR	NR	TAL	Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25753 (January 2008)	PCBs	-	-	-
[TS10007]						[PCBs]	[-]	[-]	[-]
TS10008					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25754 (January 2008)	PCBs	-	-	-
TS10009					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25755 (January 2008)	PCBs	-	-	-
TS10010					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25756 (January 2008)	PCBs	-	-	-
TS10011					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25757 (January 2008)	PCBs	-	-	-
TS10012					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25758 (January 2008)	PCBs	-	-	-
TS10013					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25759 (January 2008)	PCBs	-	-	-
TS10014					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25760 (January 2008)	PCBs	-	-	-
TS10015					Post construction sample collected every 200' from access road between Miller Road and Staging Area 4N. Same location as pre-construction sample K25761 (January 2008)	PCBs	-	-	-



[SYR-B5-AGS] SYR-B5-AGS LAYER: ON=\*, OFF=REF\*  
G:\CAD\ACTIVE\1-PWC\ACT\64530670\TORA-C\PostDwt\64530670-PCSsample.dwg  
PROJECTNAME: PENTABLE:PLFULLCTB PRINTED: 12/17/2007 4:24 PM BY:ASAMIDS  
PAGESETUP: PAGES: 1 LAYOUT: 1  
SAVED: 12/17/2007 3:59 PM  
XREFS: 64530670  
IMAGES: 64530670



- LEGEND:**
- LIMITS OF NEAR-SHORE INSTREAM SEDIMENT REMOVAL AREAS
  - LIMITS OF BANK/FLOODPLAIN REMOVAL AREAS
  - PROPOSED 0"-2" POST-CONSTRUCTION GRAB SEDIMENT SAMPLE LOCATION

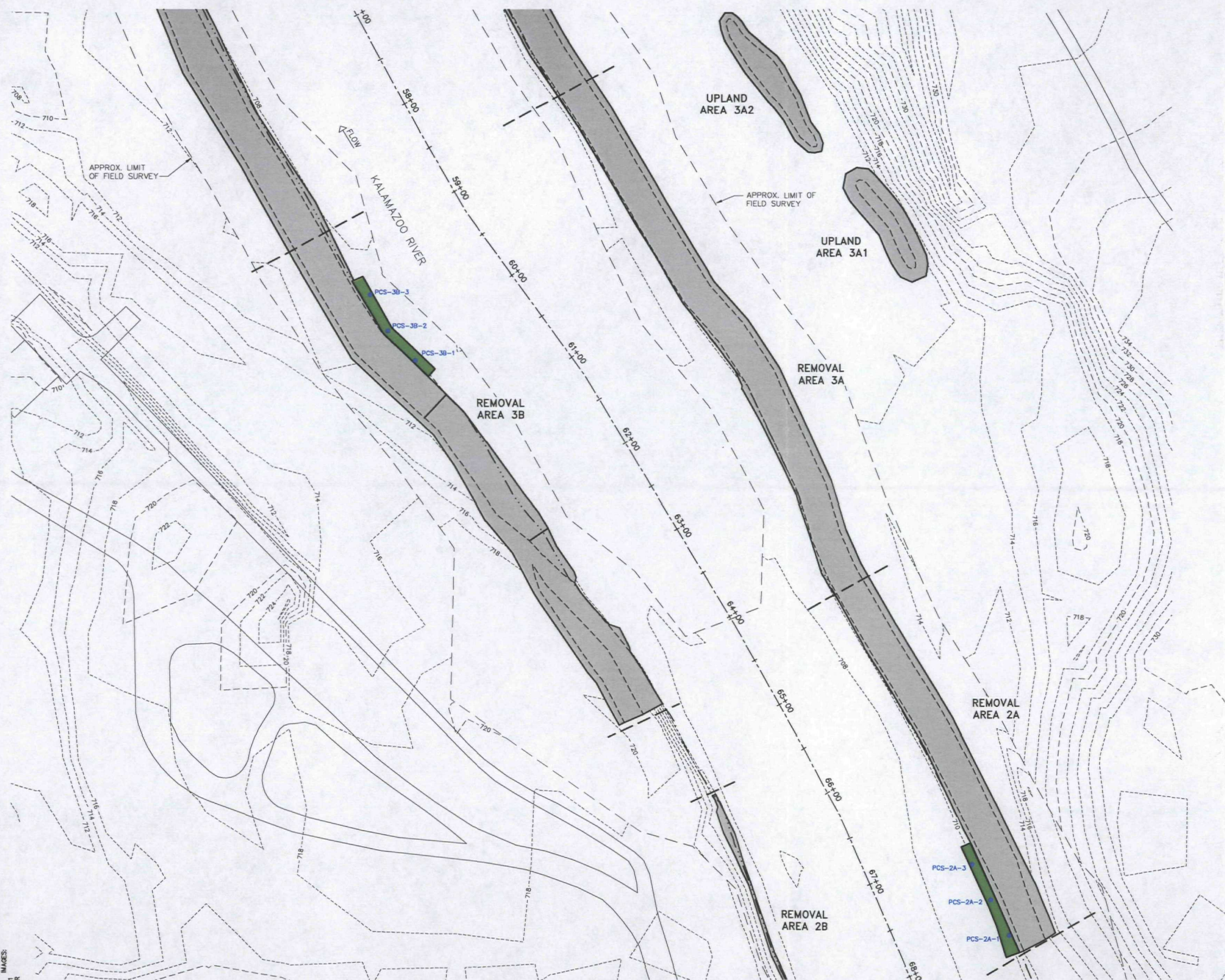
KALAMAZOO RIVER STUDY GROUP  
ALLIED PAPER INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE  
PLAINWELL TCRA DESIGN REPORT  
**PROPOSED POST-CONSTRUCTION  
SEDIMENT SAMPLE LOCATIONS -  
REMOVAL AREA 1**

**ARCADIS** BBL  
infrastructure, environment, facilities

FIGURE  
**1**



[SYR-B5-AGS] SYR-B5-AGS LAYER: ON=1 OFF=REF\*  
 G:\AD\ACTIVE\TOWA\ACT\64530670\TORA-C\PostCon\64530670-PCSample.dwg  
 PENTABLE:PLFULLCTB PRINTED:12/17/2007 4:24 PM BY:ASAMOS  
 SAVED:12/17/2007 3:59 PM LAYOUT:1.2 PAGESETUP:1  
 PROJECTNAME: 6453001  
 XREFS: 6453001  
 IMAGES: 645300R



- LEGEND:**
- LIMITS OF NEAR-SHORE INSTREAM SEDIMENT REMOVAL AREAS
  - LIMITS OF BANK/FLOODPLAIN REMOVAL AREAS
  - PROPOSED 0"-2" POST-CONSTRUCTION GRAB SEDIMENT SAMPLE LOCATION

KALAMAZOO RIVER STUDY GROUP  
 ALLIED PAPER INC./PORTAGE CREEK/  
 KALAMAZOO RIVER SUPERFUND SITE  
 PLAINWELL TCRA DESIGN REPORT

**PROPOSED POST-CONSTRUCTION  
 SEDIMENT SAMPLE LOCATIONS -  
 REMOVAL AREAS 2A, AND 3B**



infrastructure, environment, facilities

FIGURE  
**2**







[SYR-B5-AGS] SYR-B5-AGS LAYER: ON=\*, OFF=REF\*  
 & \CAD\ACTIVE\DWG\ACT\64530870\TCRA-C\PostConst\64530870-PCS-sample.dwg SAVED: 12/18/2007 8:50 AM LAYOUT: 4 PAGES: 1/4 PAGESETUP: 1/4  
 PROJECTNAME: 64530870  
 REF: 64530870  
 IMAGES: 64530870



- LEGEND:**
- LIMITS OF NEAR-SHORE INSTREAM SEDIMENT REMOVAL AREAS
  - LIMITS OF BANK/FLOODPLAIN REMOVAL AREAS
  - PROPOSED 0"-2" POST-CONSTRUCTION GRAB SEDIMENT SAMPLE LOCATION

KALAMAZOO RIVER STUDY GROUP  
 ALLIED PAPER INC./PORTAGE CREEK/  
 KALAMAZOO RIVER SUPERFUND SITE  
 PLAINWELL TCRA DESIGN REPORT  
**PROPOSED POST-CONSTRUCTION  
 SEDIMENT SAMPLE LOCATIONS -  
 REMOVAL AREAS 6A, 6B, AND 6C**

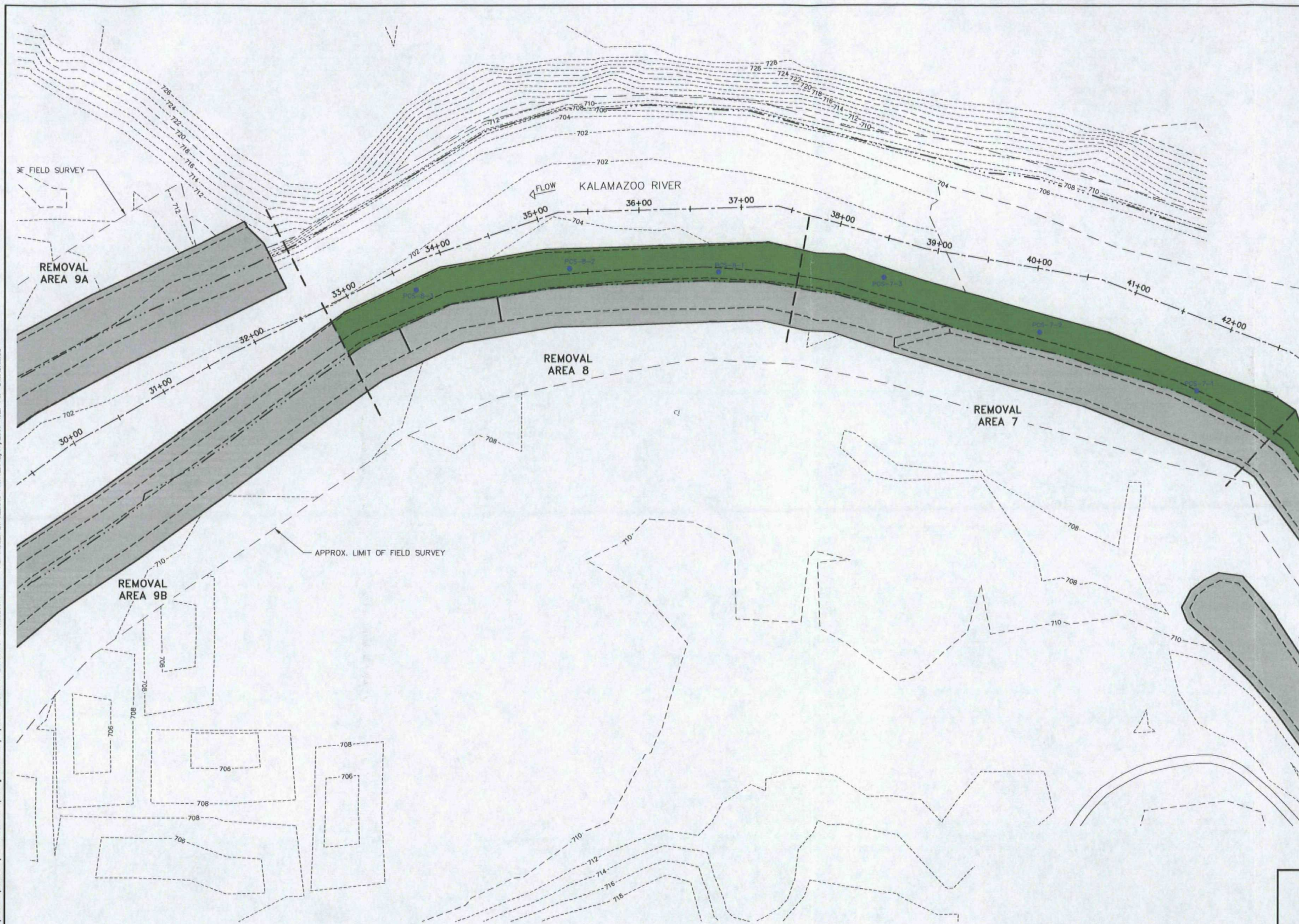
**ARCADIS** BBL  
 Infrastructure, environment, facilities

FIGURE

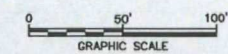
**4**



[SYR-B5-AGS] SYR-B5-AGS LAYER: ON=\*, OFF=REF\*  
 G:\CAD\ACTIVE\1-DWG\ACT\64530670\TORA-C\PostCnst\64530670.dwg  
 PROJECTNAME: 64530670  
 REFERENCE: 64530670  
 PENTABLE:PLT\PLT.CTB PRINTED: 12/17/2007 4:27 PM BY:ASAMIOS  
 SAVED: 12/17/2007 3:59 PM LAYOUT: 5 PAGES: 5  
 LAYOUT: 5



- LEGEND:**
- LIMITS OF NEAR-SHORE INSTREAM SEDIMENT REMOVAL AREAS
  - LIMITS OF BANK/FLOODPLAIN REMOVAL AREAS
  - PROPOSED 0"-2" POST-CONSTRUCTION GRAB SEDIMENT SAMPLE LOCATION



KALAMAZOO RIVER STUDY GROUP  
 ALLIED PAPER INC./PORTAGE CREEK/  
 KALAMAZOO RIVER SUPERFUND SITE  
 PLAINWELL TCRA DESIGN REPORT  
**PROPOSED POST-CONSTRUCTION  
 SEDIMENT SAMPLE LOCATIONS -  
 REMOVAL AREAS 7 AND 8**

